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| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE<br>(REV. 7-80) PATENT AND TRADEMARK OFFICE<br>INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT<br>(Use several sheets if necessary)<br><br>DATE MAILED: 03/06/2002 | ATTY. DOCKET NO. | APPLICATION NO. |
|  | 010548           | 10/005,104      |
|  | APPLICANT        |                 |
|  | BJERKE et al.    |                 |
|  | FILING DATE      | GROUP           |
|  | 12/03/2001       | 2876            |



## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | Ref<br>No | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB<br>CLASS | FILING<br>DATE IF<br>APPRO-<br>PRIATE |
|---------------------|-----------|-----------------|------|------|-------|--------------|---------------------------------------|
|                     | A1        |                 |      |      |       |              |                                       |
|                     | A2        |                 |      |      |       |              |                                       |
|                     | A3        |                 |      |      |       |              |                                       |
|                     | A4        |                 |      |      |       |              |                                       |
|                     | A5        |                 |      |      |       |              |                                       |
|                     | A6        |                 |      |      |       |              |                                       |
|                     | A7        |                 |      |      |       |              |                                       |
|                     | A8        |                 |      |      |       |              |                                       |
|                     | A9        |                 |      |      |       |              |                                       |
|                     | A10       |                 |      |      |       |              |                                       |

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|---------------------|-----------|-----------------|------|---------|------|-------|--------------|
|                     | B1        |                 |      |         |      |       |              |
|                     | B2        |                 |      |         |      |       |              |
|                     | B3        |                 |      |         |      |       |              |
|                     | B4        |                 |      |         |      |       |              |

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| QG  | C1 | Patrick Robertson et al., "A Comparison of Optimal and Sub-Optimal MAP Decoding Algorithms Operating in the Log Domain," IEEE 1995 (pgs. 1009-1013).   |
| QG  | C2 | Andrew J. Viterbi "An Intuitive Justification and a Simplified Implementation of the MAP Decoder for Convolutional Codes," IEEE Journal on Selected Areas in Communications, VOL. 16, No. 2, February 1998 (pgs. 260 - 264). |
| QG  | C3 | John A. C. Bingham "Multicarrier Modulation for Data Transmission: An Idea Whose Time Has Come," IEEE Communications Magazine, May 1990 (pgs. 5-14).   |
| EXAMINER  |    | DATE CONSIDERED 7/20/05  |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |    |  |

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| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE<br>(REV. 7-80) PATENT AND TRADEMARK OFFICE  |  | ATTY. DOCKET NO.           | APPLICATION NO. |
| INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT<br>(Use several sheets if necessary) |  | 010548                     | 10/005,104      |
| DATE MAILED: 11/05/2003   |  | APPLICANT<br>BJERKE et al. |                 |
|   |  | FILING DATE                | GROUP           |
|   |  | 12/03/2001                 | 2876            |

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|                     | A1        |                 |      |      |       |              |                                 |
|                     | A2        |                 |      |      |       |              |                                 |
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| Qg                  | B1        | WO 01/19013A1   | 03/15/2001 | PCT     | HOME WIRELESS NETWORKS, INC.            |       |              |
| Qg                  | B2        | WO 00/72496A1   | 11/30/2000 | PCT     | UNIVERSITY OF SOUTHAMPTON               |       |              |
| Qg                  | B3        | WO 98/51111A1   | 11/12/1998 | PCT     | KONINKLIJKE PHILIPS<br>ELECTRONICS N.V. |       |              |
| Qg                  | B4        | WO 01/67702A1   | 09/13/2001 | PCT     | VYYO LTD.                               |       |              |

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| Qg | C1 | Nguyen A. V. et al., "Iterative Demodulation and Decoding of Differential Space-Time Block Codes," IEEE VEHICULAR TECHNOLOGY CONFERENCE, VTC 2000-FALL, CONF. 52, Vol. 5 of 6, 24 September 2000, pages 2394-2400.            |
| Qg | C2 | Tonello A. M., "Iterative MAP Detection of Coded M-DPSK Signals in Fading Channels with Application to IS-136 TDMA," IEEE VEHICULAR TECHNOLOGY CONFERENCE, VTC 1999-FALL, CONF. 50, 19 September 1999, pages 1615-1619.       |
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| Qg | C4 | Keller T. et al., "A Turbo-Coded Burst-By-Burst Adaptive Wide-Band Speech Transceiver," IEEE Journal on Selected Areas in Communications, IEEE Inc., vol. 18, no. 11, November 2000, pages 2363-2372.                         |
| Qg | C5 | Lau V. K. N., "Variable-Rate Adaptive Channel Coding for CDMA-Reverse Link," Bell Labs Technology, Bell Laboratories, vol. 5, no. 4, 1 October 2000, pages 138-156.   |

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